

ABSTRACT

In an electromagnetic fuel injection valve in which a valve assembly formed by integrally connecting a valve element and a movable core to each other is contained in a valve housing, and a first journal part and a second journal part are provided in the valve assembly so as to be supported slidably in the guide hole in a valve housing, the outside surface of the first journal part (21) is formed by a sliding surface (45) slidable on the inside surface of the guide hole (14) and a pair of tapered tilt surfaces (46, 47) connecting to both the front and rear sides of the sliding surface (45); at least the tilt surface (47) on the movable core side, of both the tilt surfaces (46, 47), is formed of a first tilt surface part (47a) connecting to an end part of the sliding surface (45) and a second tilt surface part (47b) connecting to the first tilt surface part (47a); and an angle that the first tilt surface part (47a) makes with a plane perpendicular to the axis line of a valve shaft part (19b) is set larger than an angle that the second tilt surface part (47b) makes with the plane. Whereby a decrease in initial fitting property and an increase in abrasion loss can be avoided, and the weight of the valve assembly can be reduced while good response and flow characteristic are maintained.